

#### South Sound Health Communication Network

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**SIEMENS** 



- Who we are & how we got here
- Designing the Future
- The Network up close & personal



Northwest Physicians Network
An Independent Physicians Association

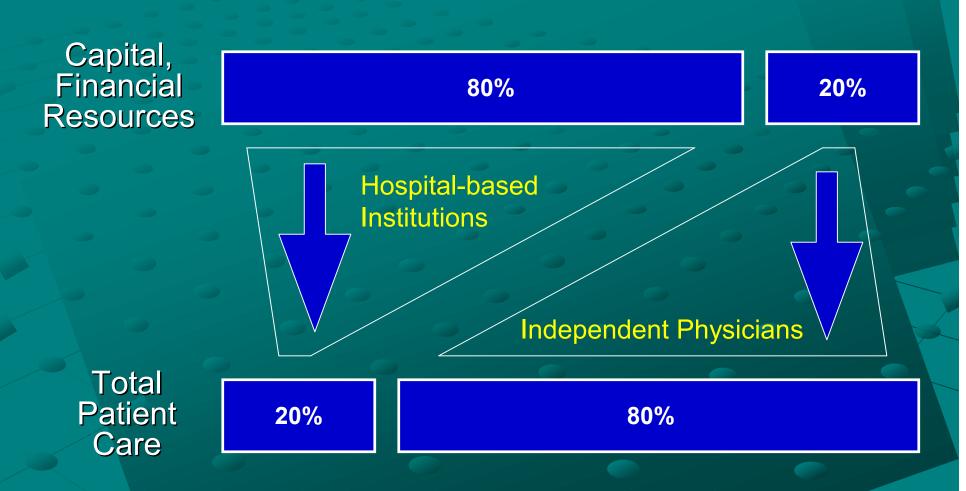


#### Northwest Physicians Network

- Largest IPA in Northwest
- "Main Street" Doctors:
  - Small Business Owners
  - Employers not Employees
  - Represents 80% of the physician force in the US

- 424 Physicians
  - 102 PCP's
  - 322 Specialists
- Front line medical care in the community

# The healthcare system from our view



# Assumptions about IT

- Technology is disruptive
  - Travel agents & Expedia
  - PC & 7<sup>th</sup> story secretarial pool



- Interoperability will come
  - Appliances and outlets
  - Computers and the internet





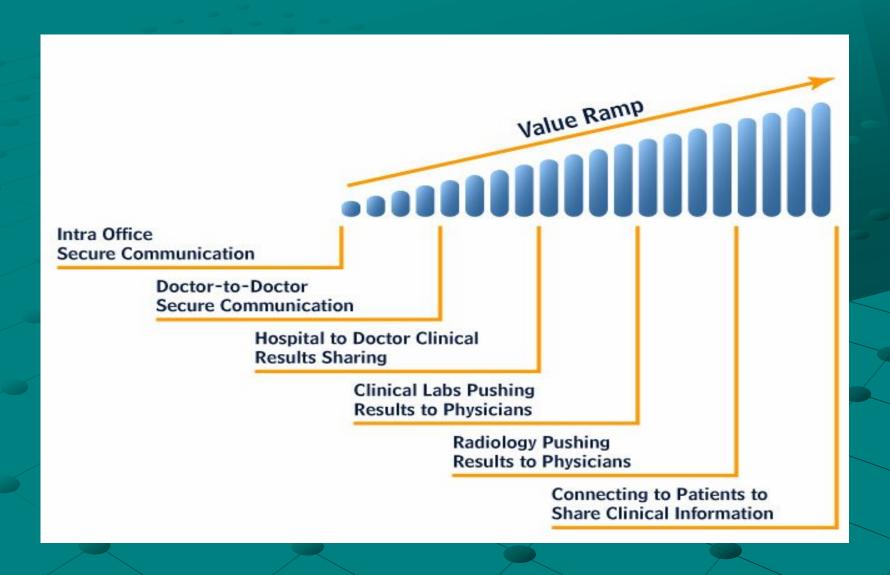
# Designing the Future

- Value through Interoperability
- Public Utility
- Our Model
- Motivators





# Value through Interoperability



# A new kind of "public utility"

#### Examples

- Lighthouses
- Tacoma "Click!"
- The Internet

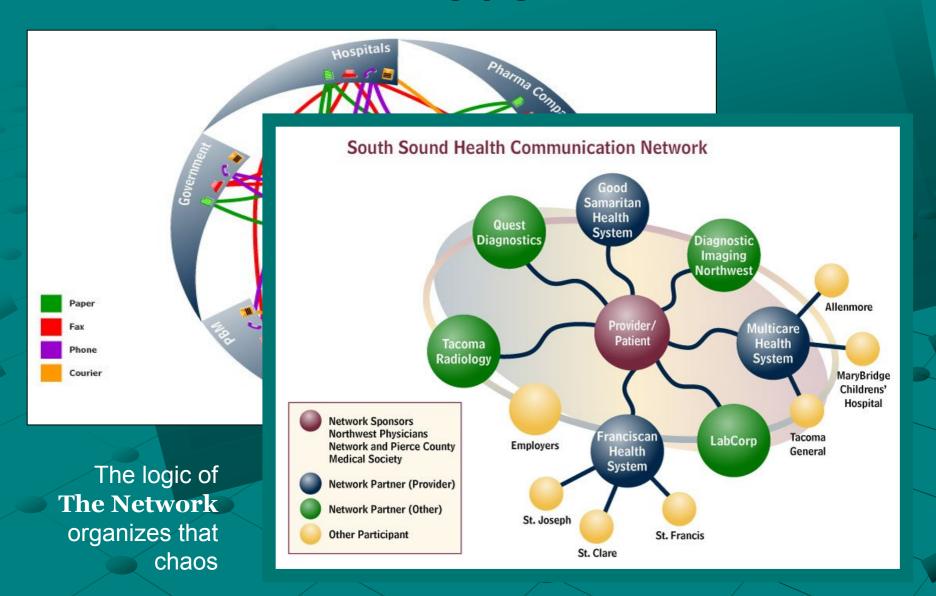






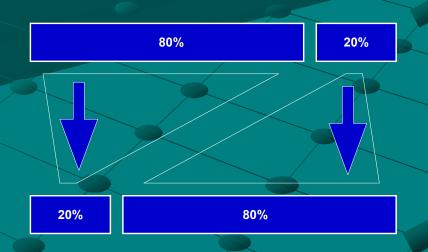
"The Network" is an independent, non-profit corporation – governed by an independent board

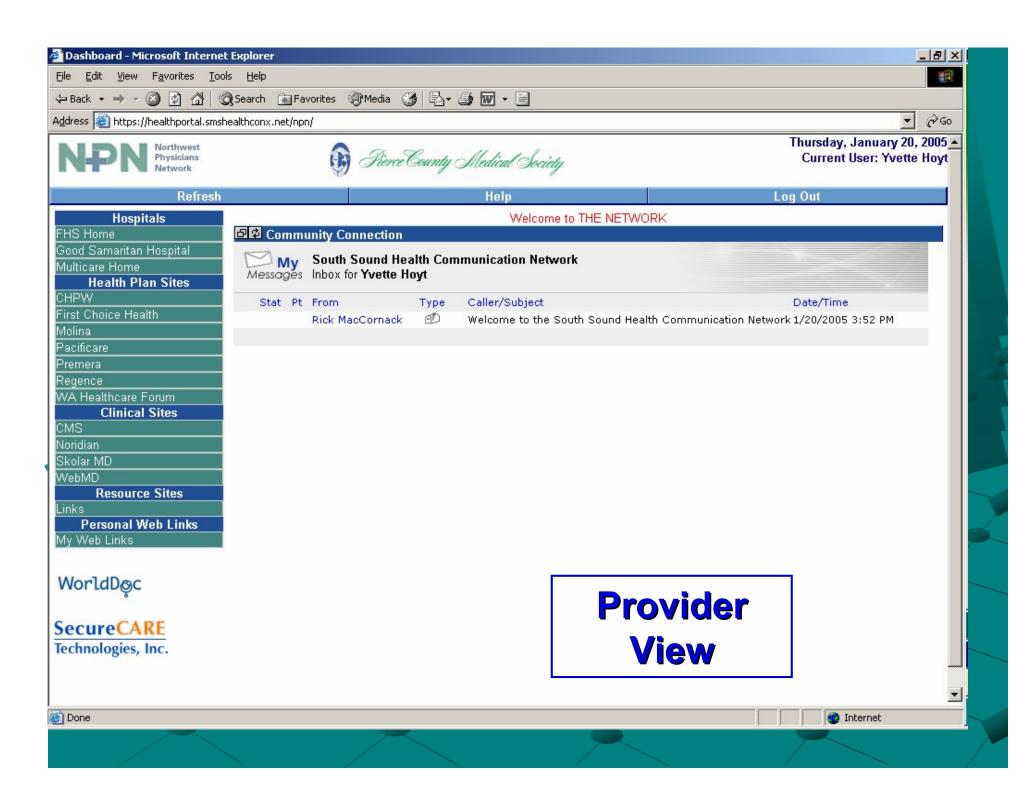
#### Model

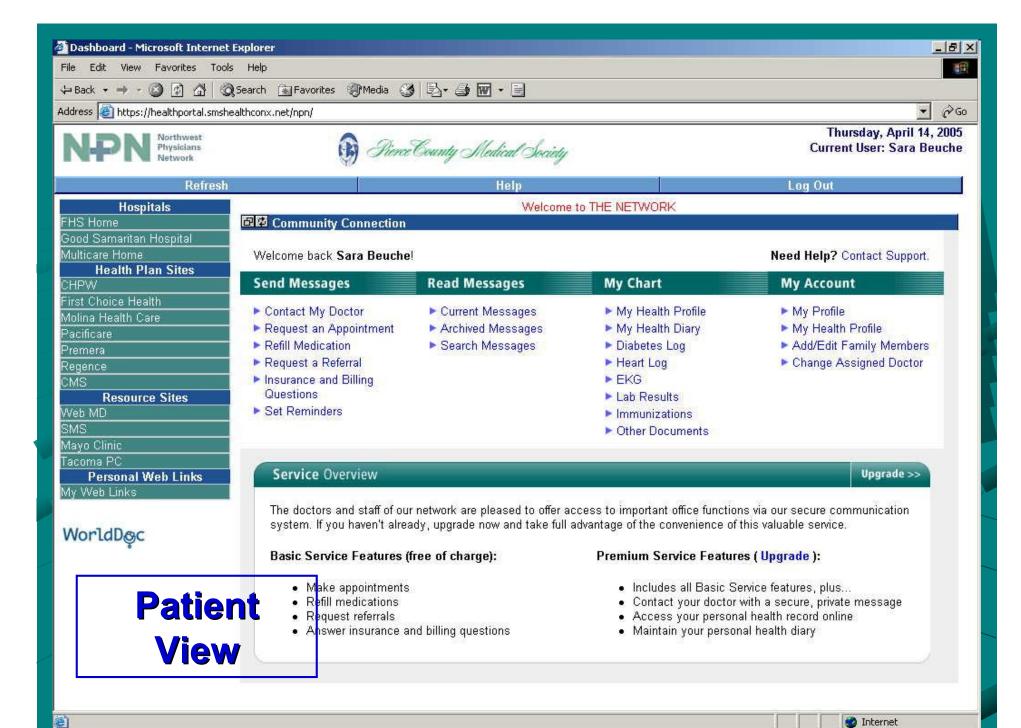


#### Motivators

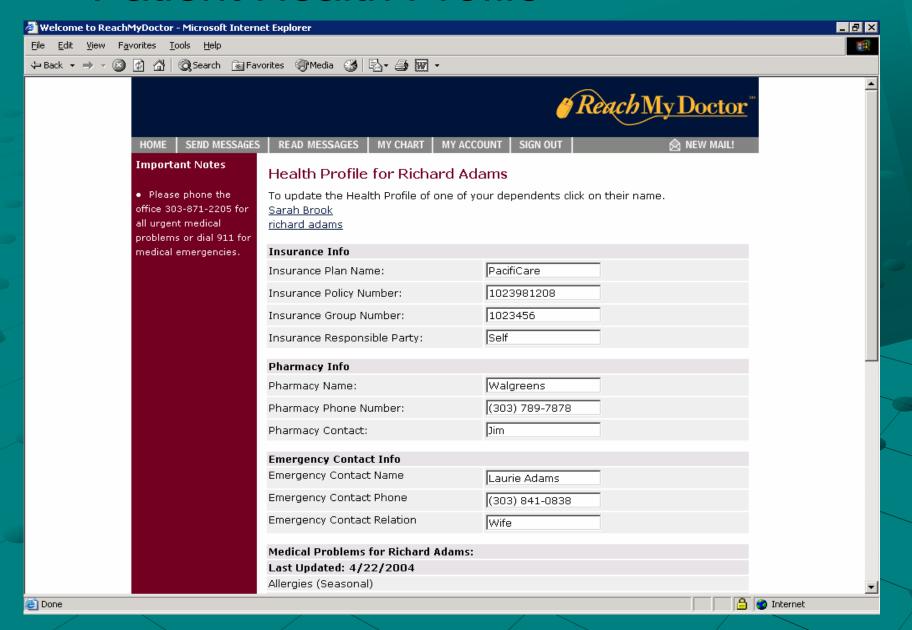
- Staying in business
  - Innovate or die
  - Canary in the mine
- A focus on <u>health</u> is good for patients & good for "Main Street" docs
- Refocusing existing resources towards improved population health



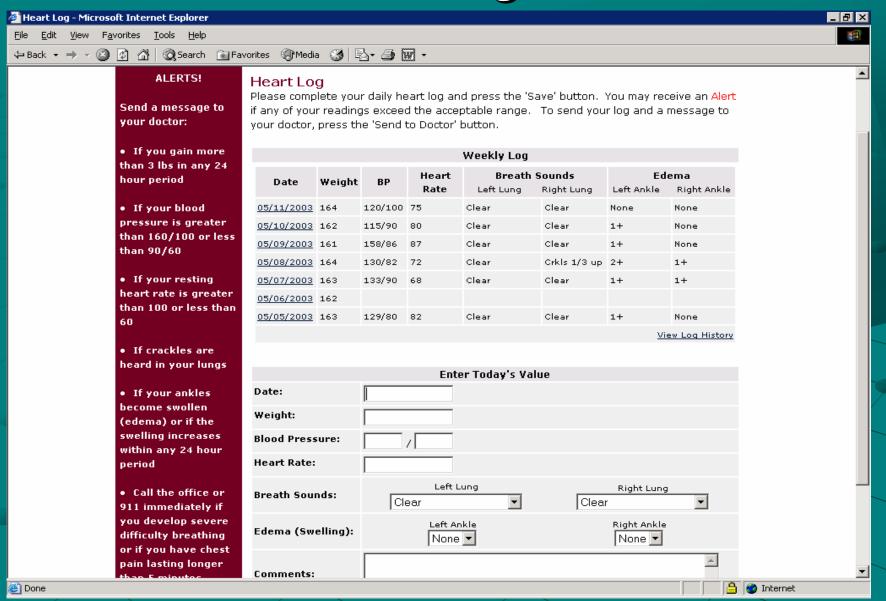




#### Patient Health Profile



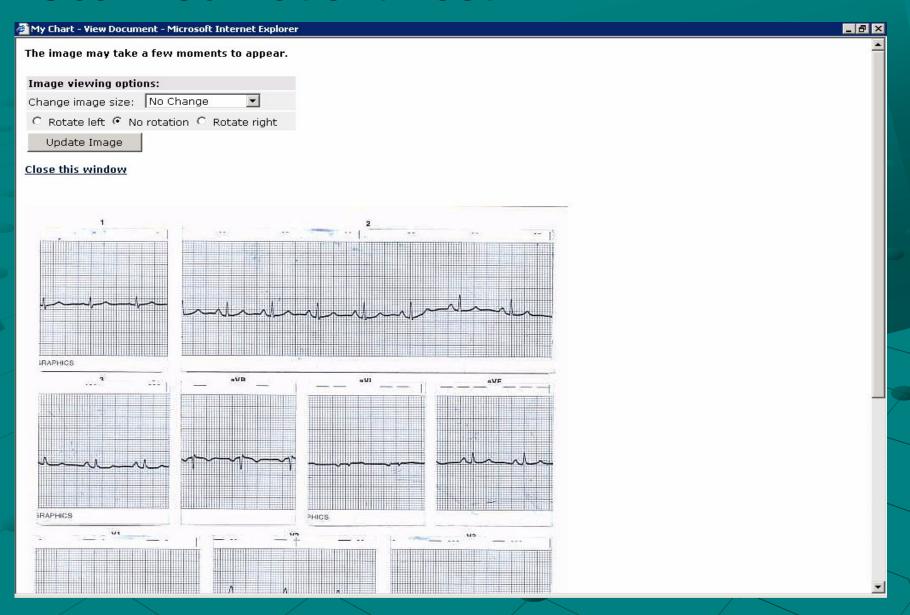
## Patient Heart Log



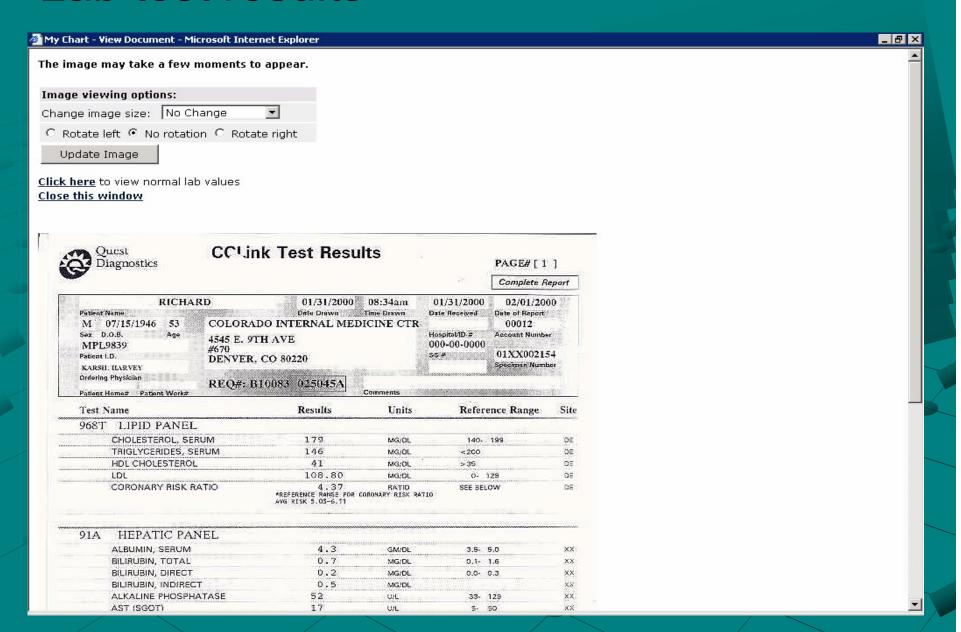
# Immunization record

| 1y Chart - View Document - Microsoft Internet Explorer |  |                              |                |   |   |   |         |  | _ B × |
|--|--|------------------------------|----------------|---|---|---|---------|--|-------|
| he image may t   | take a few moments to appe                               | ar.                          |                |   |   |   |         |  | •     |
| mage viewing   | options:   |                              |                |   |   |   |         |  |       |
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| lose this windo  | <u>ow</u>  |                              |                |   |   |   |         |  |       |
|  |  |                              |                |   |   |   |         |  |       |
| \$   |  | 10-57                        |                |   |   |   | 25<br>T |  |       |
|  | COLORADO LAW REQUIRES                                    | THIS FORM BE                 | COMPLETED      | AND PROVIDI   | ED TO THE SO                                  | CHOOL   | ŝ       |  |       |
| Name 🖳   | rook, Sarah  |                              |                | Date o  | f Birth 3-4                                   | -93   |         |  |       |
| Parent/Guar  | dian   |                              |                |   |   |   |         |  |       |
| COLORADO   | DEPARTMENT OF PUBLIC                                     | HEALTH AN                    | ND ENVIROR     | MENT—CE   | RTIFICATE                                     | OF IMMUNIZATION   |         |  |       |
| VACCINE Enter date each immunization was given         |  |                              |                |   |   |   | a de    |  |       |
| DTP/DTaP   | Diphtheria-Tetanus-Pertussis<br>(see footnote "c" below) | 4-14-93                      | 6-4-93         | 8-4-92  | 3-6-90  | 2-2-98  |         |  |       |
| Td/DT  | Tetanus-Diphtheria                                       | A Trial State of the Control | 100            |   |   | 10  | ř       |  |       |
| OPV/IPV  | Polio  | 4-14-92                      | 6-4-93         | 8-4-93  | 3-6-95  | 3-2-97  | -C      |  |       |
| НІБ  | Haemophilus influenzae type b                            | 4-14-93                      | 6-4-93         | 8-4-92  | 6-7-94  | Required for children < 5 yrs. of age. See footnote ")" below.  |         |  |       |
| Measles  | Measles  | 6-7-94                       | 3-5-99         | The first MMR must have been given on or after the first birthday.<br>Effective 7/1/2000, the second dose of MMR is required for<br>Kindergarlen. |   |   |         |  |       |
| Mumps  | Mumps  |                              | 1              | Kindergarlen.   | , the second cose :                           | or MMK is required for  | 1       |  |       |
| Rubella  | Rubella  | V                            | U              | mumps, rubella, po<br>to this Certificate, o  | olio and hepatilis B<br>or record test result | towing immunity to measies,<br>is acceptable. Attach written proof<br>a and dates in the boxes at left. |         |  |       |
| НВ   | Hepatitis B  | 3-16-93                      | 414-93         | 17-2-93   |   |   |         |  |       |
| Varicella  | Chickenpox   | 11-26-97                     | 111/2          | History of disease.<br>(See footnote 'e' b  | Yes   | year (optional)   |         |  |       |
| Other  |  | 1                            |                | 1-23,000,000  |   |   | Î       |  |       |
| To the best o  | f my knowledgel the person named                         | above has rece               | ived the above | immunizations   |   |   | Ř       |  |       |
| 00 t   |  | INITIM INN                   | IUNIZATIO      |   |   | Date 3-8-02   | -       |  |       |
| Signed   | (Physician, hurse of school both authority)              | <u> </u>                     | itle           |   |   | Date 5-8-00   | 1       |  |       |
|  | 00   |                              |                | -0000000  |   |   | -63     |  |       |

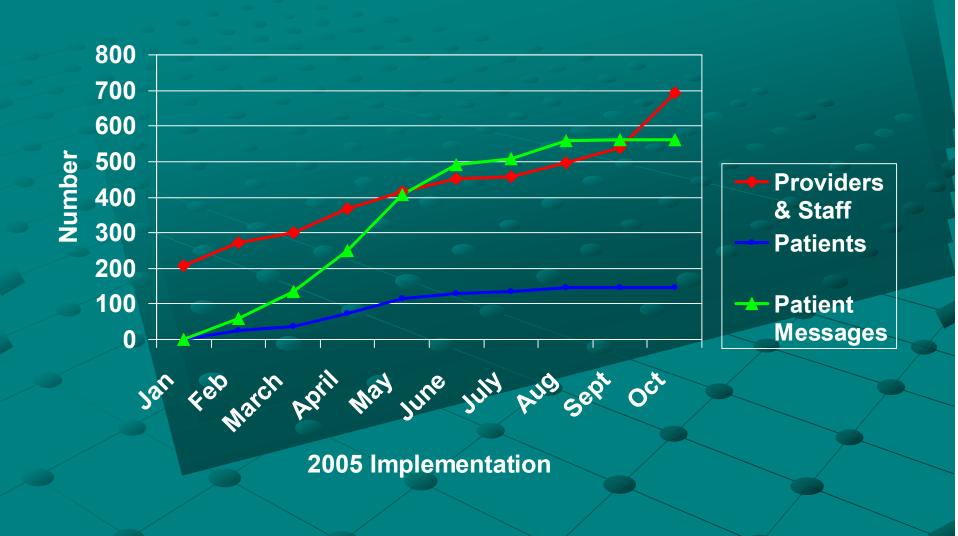
#### Scanned Patient Test



#### Lab test results



## The Network Adoption



## The Network Adoption

Inter- and Intra-office Communication



## Case Study: Year 1 Impacts

Participating 7 physician clinic

- Clinic workflow redesign saved space
- Transcription moving securely on Network instead of paper
- Chart request copying & scanning eliminated
- Referral paperwork eliminated
- 1.0 FTE load reallocated
- Equipment maintenance costs reduced

## Case Study: Year 1 Impacts

Participating 7 physician clinic

 Over \$6,000 per physician (conservative estimate)

ROI: 15.6 (Network cost per physician/year: \$384)

"If there is one thing we learned from Hurricane Katrina...

...it's that water destroys paper."

- Dr. David Brailer

In an emergency, most people don't think of their medical records before it's too late. And if your prescriptions, allergies, & medical history are all written on paper, you may be only a short time away from losing them.

Just ask the citizens of New Orleans.

# Protect yourself. Protect your family.

Talk to your doctor about getting your medical information electronic and online.





#### Questions?





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